ITEM# QTY PART# PART TITLE RB PWC64211-1 -1 1 FRAME WELDMENT RB PWC64211-9 -9 LIFT ASSY -17 1 RB PWC64211-17 **ANCHOR** -19 1 RB PWC64211-19 FRAME AFT END -21 RB PWC64211-21 **ENGINE HOIST** RB PWC64211-23 -23 1 **KNOB** -25 1 RB PWC64211-25 **SCREW** 2 34 **RB PWC64844** LIFTING STRAP ASSY 35 **RB PWC64845** 1 LIFTING STRAP ASSY 36 McMaster#90312A288 OR EQUIV STEEL NYLON COATED LANYARD LOOP TO EYE 3/64" DIA. X 6" LG. 37 McMaster#31435A213 OR EQUIV STEEL PRESS-FIT DRILL BUSHING WITH HEAD 0.5" I.D X 3/4" O.D X 29/32" LG. 38 2 McMaster#91030A035 OR EQUIV BLACK OXIDE STEEL FLANGE NUT 5/8"-11 39 2 McMaster#90692A725 OR EQUIV STEEL ZINC PLATED SLOTTED SPRING PIN 3/16" DIA, X 1" LG. 2 40 McMaster#8492A235 OR EQUIV STEEL PRESS-FIT DRILL BUSHING WITH HEAD 0.4375" ID. X 5/8" OD. X 1/2" LG.

STEEL BLACK OXIDE BUTTON HEAD HEX DRIVE SCREW #10-32 X 1/4" LG.

STEEL CLEVIS PIN 3/8" DIA. X 1-1/4" USABLE LENGTH

STEEL ROUND SHIM 0.125" THK. X 3/8" ID.

STEEL ZINC PLATED COTTER PIN 1/8" DIA. X 3/4" LG.

STEEL SLOTTED SPRING PIN 3/16" DIA. X 1-1/8" LG.

T HANDLE BALL LOCK PIN 7/16" DIA. X 4" LG.

STEEL BLACK OXIDE BUTTON HEAD HEX DRIVE SCREW #10-24 X 5/8" LG. **RB PWC64211 ENGINE HOIST**

NOTES:

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1) MATERIAL: N/A 2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/-0.01" / +/-0.5° X.XXX = +/-0.005" / +/-0.1° X.XXXX = +/-0.0005" / +/-0.05°

McMaster#91255A261 OR EQUIV

McMaster#98306A273 OR EQUIV

McMaster#3088A511 OR EQUIV

McMaster#98338A473 OR EQUIV

McMaster#98296A911 OR EQUIV

McMaster#91255A244 OR EQUIV

ESSENTRA#CL-7-BLPT-4.00 OR EQUIV

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHÉRWISE NOTED

6) IDENTIFICATION: N/A

7) ASSEMBLE AS SHOWN

8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM 37 AND ITEMS 40 WITH ITEM -17, AND REMOVE EXCESS

9) TRANSFER DRILL HOLE THROUGH ITEMS 38 AND -25 AS SHOWN

10) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEMS 39 WITH ITEMS 38 AND ITEM -25, AND REMOVE EXCESS

11) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES

THEN PRESS FIT ITEM 45 WITH ITEM -23 AND ITEM -25, AND REMOVE EXCESS

12) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 46 THEN ASSEMBLE WITH ITEM -19 AND ITEM -1, AND REMOVE EXCESS

13) INSTALL ITEMS 46 HAND TIGHT

14) APPLY AEROSHELL 7 GREASE TO MOVING PARTS

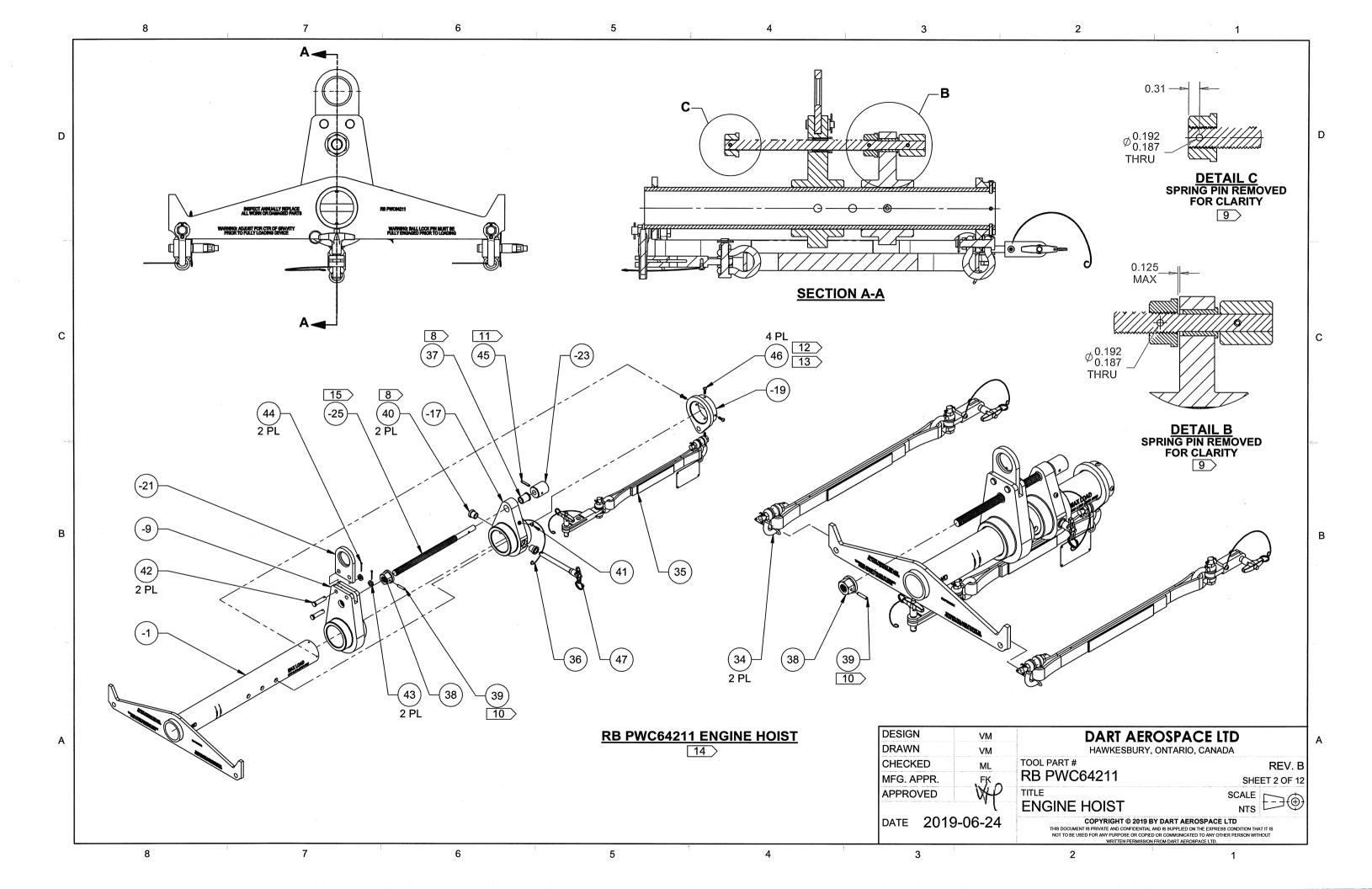
15) ITEM -25 MUST ROTATE FREELY WHEN TURNED BY ITEM -23 KNOB

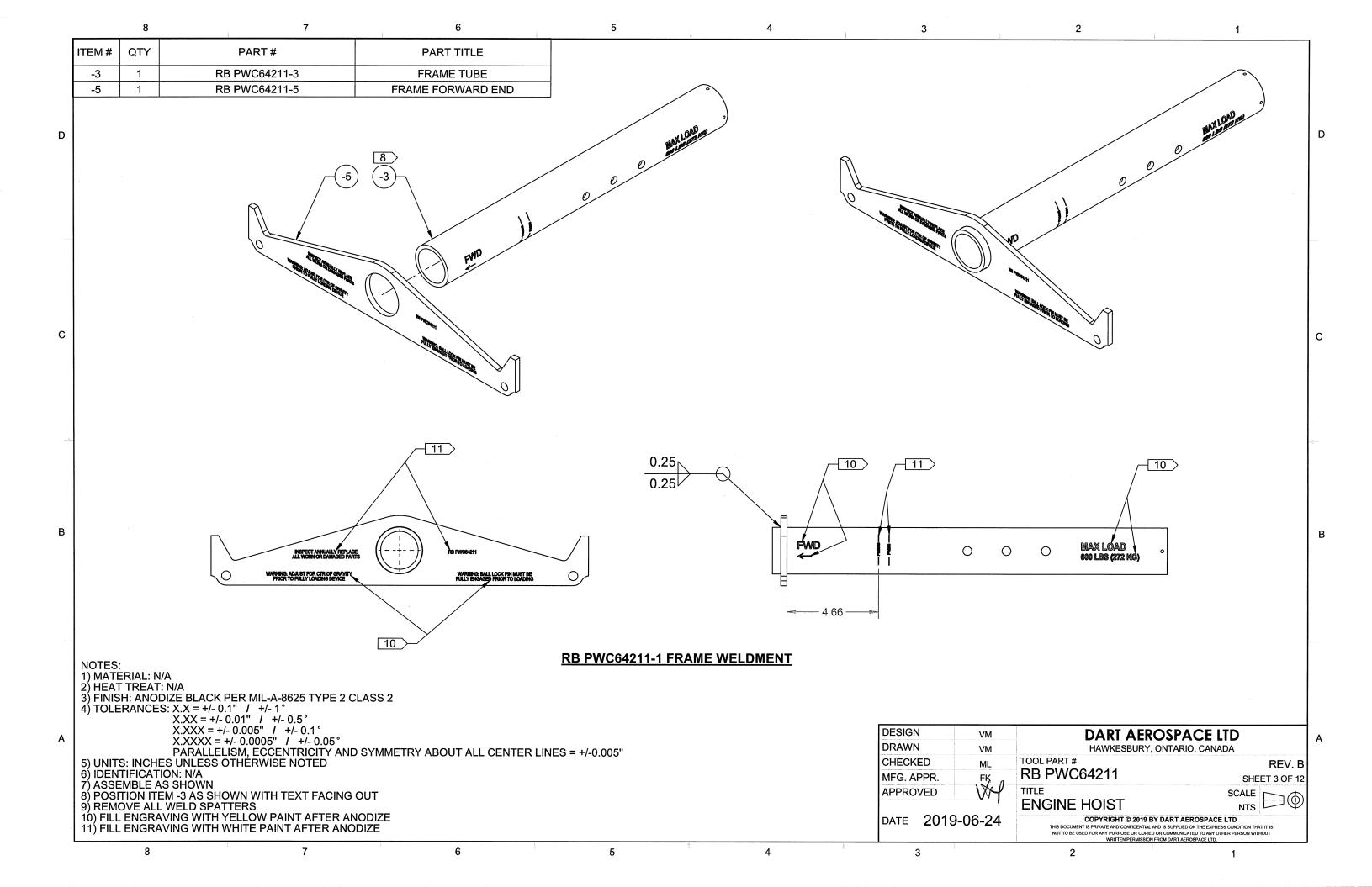
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|------------------|-------------|--|--|--|--------|---------|
| REV. | DESCRIPTION | | | | ECN# | BY |
| DESIGN VM | | VM | DART AEROSPACE LTD | | | |
| DRAWN | | VM | HAWKESBURY, ONTARIO, CANADA | | | |
| CHECKED | | ML | TOOL PART # RB PWC64211 SHEE | | REV. B | |
| MFG. APPR. | | , FK A | | | SHEET | 1 OF 12 |
| APPROVED | | WH | TITLE | | SCALE | 76 |
| ENGINE HOIST NTS | | | | | | |
| DATE 2019-06-24 | | | COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOC! MENT IS DEPLATE AND COMEDISATIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS | | | |

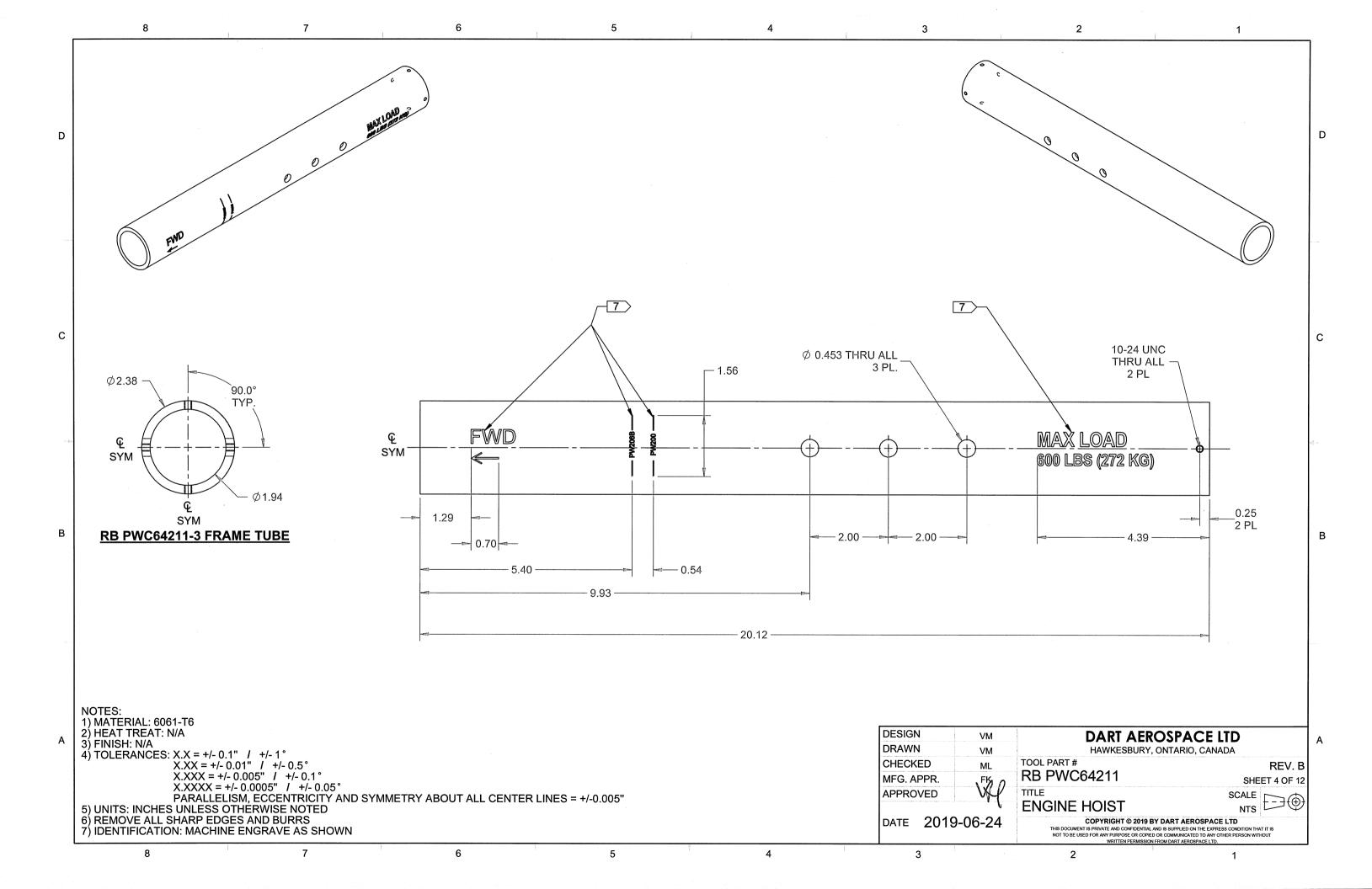
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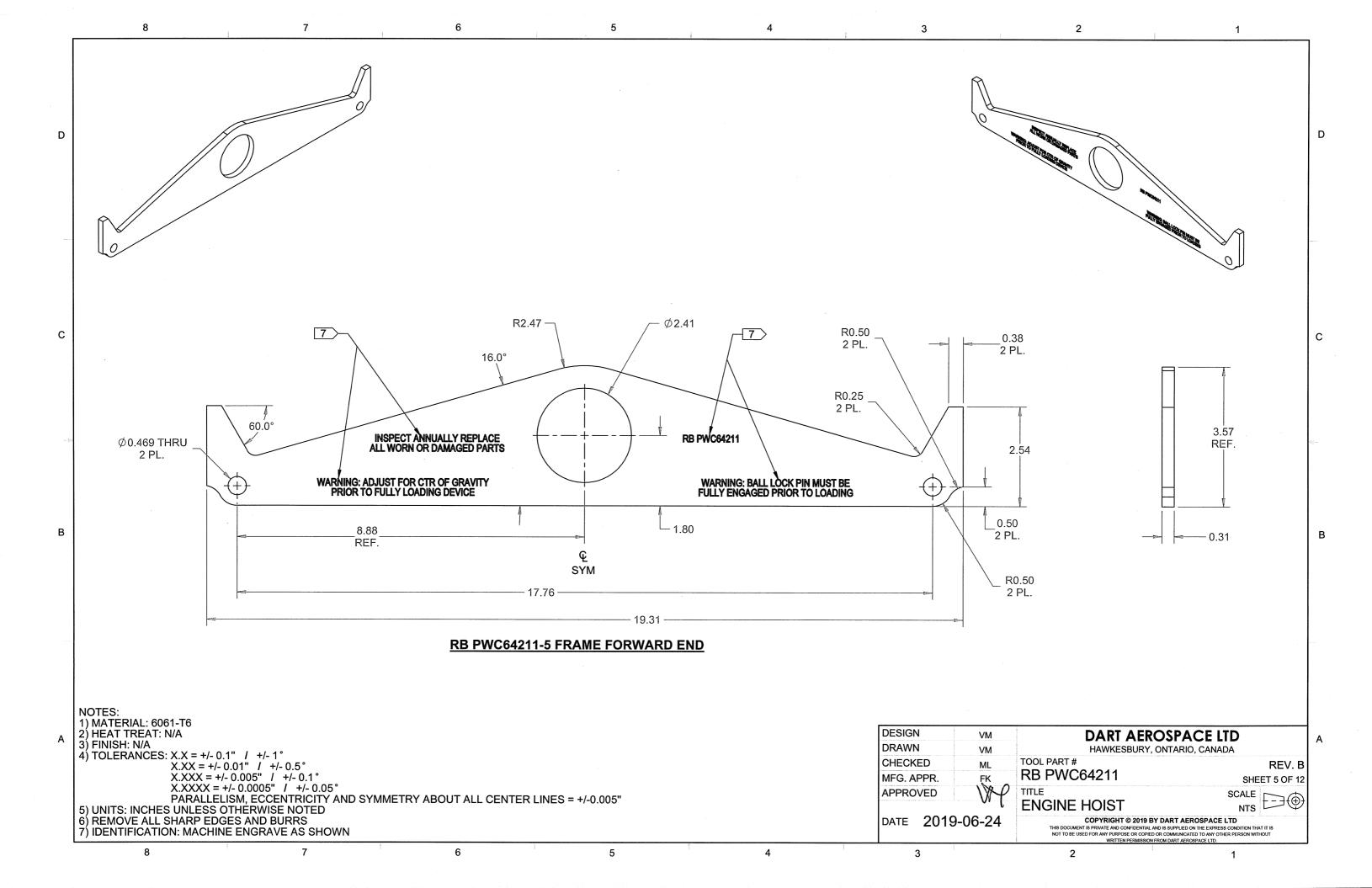
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7 ITEM# QTY PART# PART TITLE LIFT RB PWC64211-11 -11 1 BLACK PHOSPHATE STEEL KEY-LOCKING INSERT 5/8"-11 48 McMaster#90245A038 OR EQUIV **RB PWC64211-9 LIFT ASSY SECTION D-D** NOTES: 1) MATERIAL: N/A 2) HEAT TREAT: N/A 3) FINISH: N/A DESIGN VM DART AEROSPACE LTD

4) IULERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) IDENTIFICATION: N/A
7) ASSEMBLE AS SHOWN 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

DRAWN HAWKESBURY, ONTARIO, CANADA VM TOOL PART # CHECKED ML REV. B **RB PWC64211** MFG. APPR. SHEET 6 OF 12 TITLE **APPROVED** SCALE **ENGINE HOIST** NTS DATE 2019-06-24 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

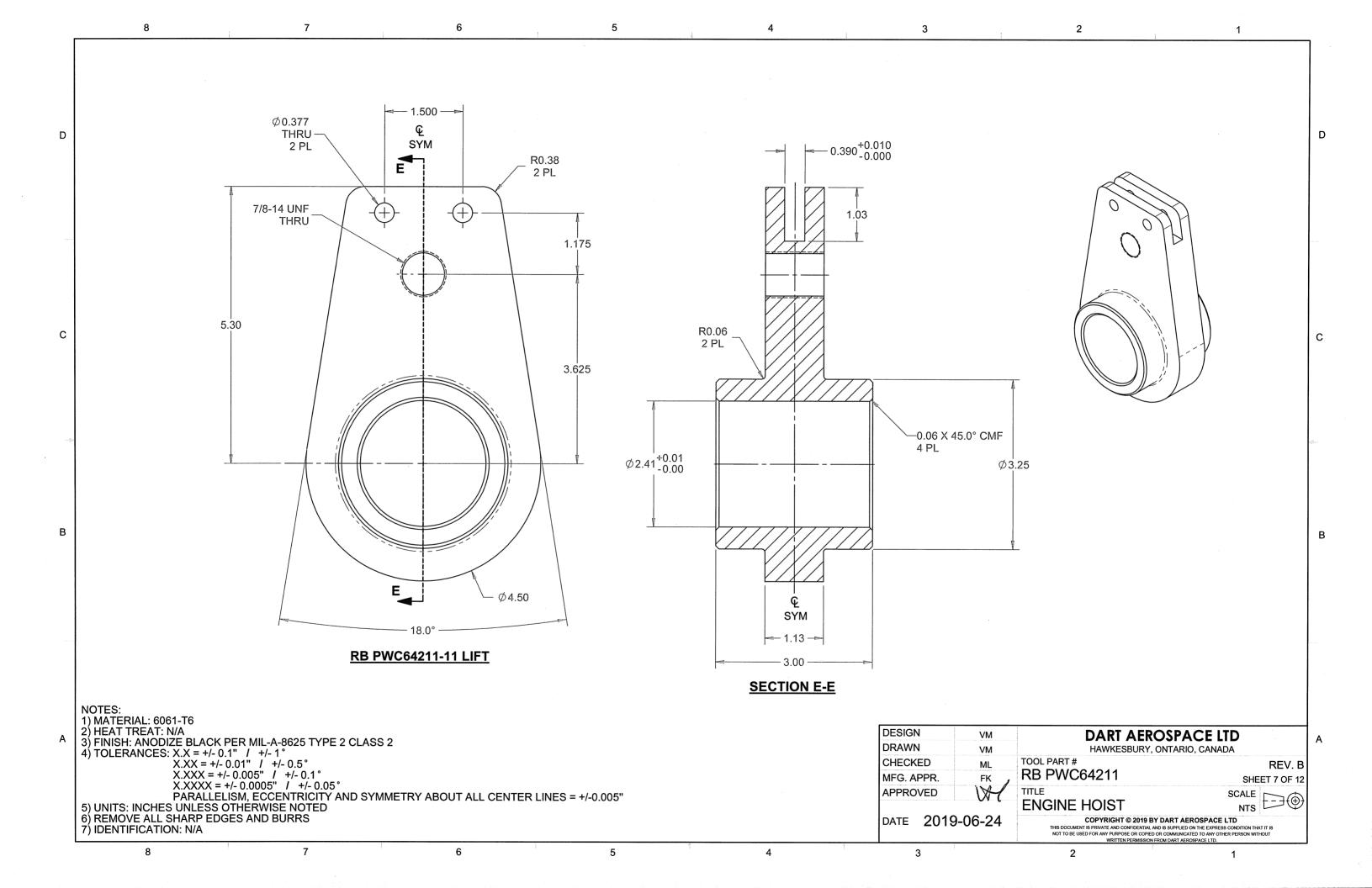
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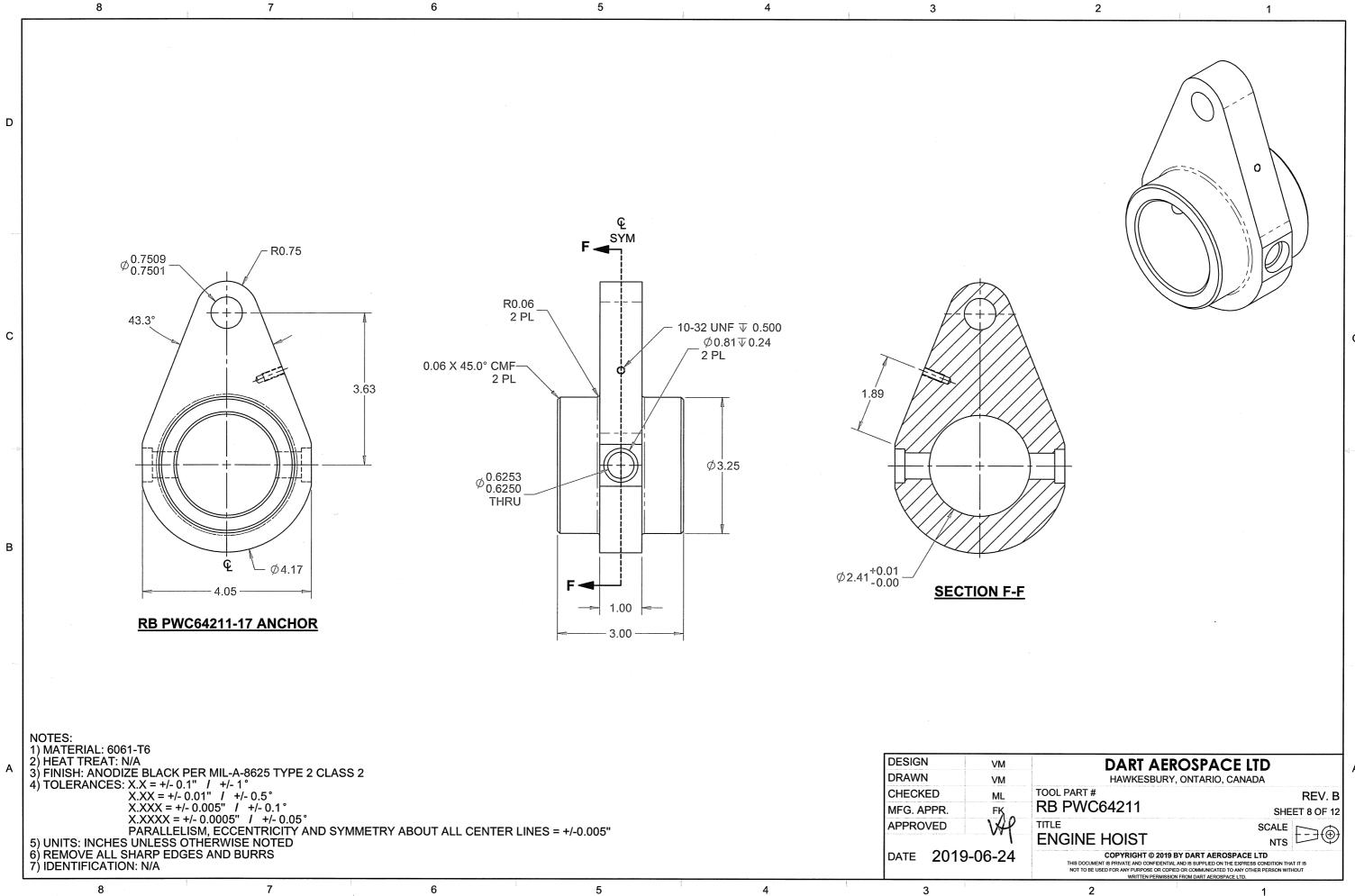
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7 3 D D SYM Ø3.00 0.250 ---- \emptyset 3.50 -Ø2.41^{+0.01}_{-0.00} ─0.06 X 45.0° CMF С \emptyset 0.201 THRU ALL 2 PL 2.006 77.1° R0.13 \emptyset 0.480 G◀┙ - R0.50 **SECTION G-G** RB PWC64211-19 FRAME AFT END NOTES: 1) MATERIAL: 6061-T6
2) HEAT TREAT: N/A
3) FINISH: ANODIZE BLACK PER MIL-A-8625 TYPE 2 CLASS 2
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5° DESIGN VM DART AEROSPACE LTD DRAWN VM HAWKESBURY, ONTARIO, CANADA CHECKED TOOL PART # ML REV. B RB PWC64211 MFG. APPR. SHEET 9 OF 12 **APPROVED** TITLE SCALE NTS 5) UNITS: INCHES UNLESS OTHERWISE NOTED 6) REMOVE ALL SHARP EDGES AND BURRS 7) IDENTIFICATION: N/A **ENGINE HOIST** DATE 2019-06-24 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT 7 5 3 2

FULL R-H 0.38 Ø2.50 \emptyset 1.50 -0.10 X 45° CMF 2 PL. 1.875 2.38 Ø0.397 THRU 2 PL. Œ SYM **SECTION H-H** - 1.500 ------ RB PWC64211-21 ENGINE HOIST NOTES: 1) MATERIAL: 1018/1020/1025 CR 2) HEAT TREAT: N/A 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS DESIGN DART AEROSPACE LTD VM DRAWN HAWKESBURY, ONTARIO, CANADA VM TOOL PART # CHECKED REV. B ML **RB PWC64211** MFG. APPR. **SHEET 10 OF 12** TITLE APPROVED SCALE NTS -5) UNITS: INCHES UNLESS OTHERWISE NOTED 6) REMOVE ALL SHARP EDGES AND BURRS 7) IDENTIFICATION: N/A **ENGINE HOIST** DATE 2019-06-24 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT 7 5 3 2

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